SID: 1155158247

7 (

- (. B
- 2. B
- 3. A
- 4. A
- 5. C
- 6. B
- 7, C
- 8. B
- 9. D
- (o, A

Q2

- 1. Tag: 32-5-10 = 17 bits
- 2. (17 + 8x4x8+1)x 2" = 280576 bits
- 3. Tag: 32-5-9=18 hits

 Q_3

1. 2474247

Snifts: 9

- 2. Slits
- 3. Add nop.

1: 7

); 247

1. T, T, F, T

2. Mentakeg should be set to 1.

- · Effect of setting; It will affect the resister transfer
- · Effect if mentiles set to other way:

 The will not unter back to register file.

Q5. 1. A: $3 + 70 \times (1-98.6\%) = 3.98 \text{ ns}$ B: $3.3 + 70 \times (1-99\%) = 4 \text{ ns}$

> 2. CPVA Time = 2.0 × 1000 × 1.4 × 3 = 8600 CPUB Time = 2.0 × 1000 × 1.4 × 3.3 = 9200

Q6. : A is farter.

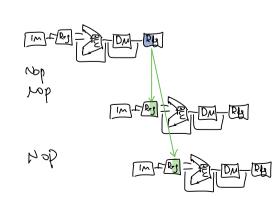
1. Ind instruction depend on 1st instruction: RAW
4th instruction depend on 2nd instruction: WAW

1. addi x11, x12, 6

add x13, x11, x12

subi x12, x14, 5

3.



2 -

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